

Standard Equipment

CAB:	Retarder 'On'
Air Conditioner	Steering Filter Restriction
Acoustic Lining	Transmission 'Check'
Door Locks	Transmission Filter Restriction
Floor Mat	Transmission Manual Mode
FOPS Protection ISO 3449 /SAE J231	Transmission Oil Temperature
Windshield Wipers, 2 speed, and Washers	Warning Light Test
Heater and Defroster	GENERAL:
Interior Light /Courtesy Light	Accumulator Steering
Radio /Cassette Player ROPS	Air Cleaners (2), two stage
Protection (body cabguard)	Body Down Signal
ISO 3471 /SAE J1040	Body Heating, exhaust
Seat, with High Back	Body Hoist, Servo Actuated
Seat, Passenger	Coolant Filter
Seat Belts SAE J386	Diagnostic Pressure Test
Steering Column - adjustable	Points
Sun Visor - full cab width	Downshift Inhibitor
Tinted Glass	Dual Brake System
Utility Compartment	Engine Management System
Controls -	Engine Pan Guard
Front Brake Pressure Reduction selector	Exhaust Muffler, part time
Battery Isolator	Fuel Sight Gauge
Automatic Transmission Shift	Headlights-Quartz Halogen(4)
Transmission Test Button	Horn, Dual Electric,
Power/Economy Key Switch	Mud Flaps
Manual Mode Key Switch	Operator Arm Guard
Gauges - electric:	Parking Brake
Converter Temperature	Rear View Mirrors-4
Engine Coolant Temperature	Retarder, Rear Disc Brakes
Engine Oil Pressure	Retarder, Transmission
Fuel	Retarder Light-amber, rear
Speedometer/Odometer	Reverse Alarm
Tachometer/Hourmeter	Reversing Light-quartz
Transmission Oil Pressure	halogen
Indicators-Light and Alarm:	Rock Ejectors
Brake Pressure, front	Secondary Brake System
Brake Pressure, rear	Security Kit
Steering Pressure	Separate Steering and Body
Steering /Brakes oil level	Hoist Hydraulic Systems
Transmission, "Do not shift"	Shed Plates, rear
Indicator Lights only:	Side, Tail, Stop, Direction
Air Cleaner Restriction	Indicators and Hazard
Alternator Not Charging	Warning Lights
Body Up	Tow Points, front and rear
Brake Oil Temperature	Transmission Guard
Converter Drive	Fire Extinguisher
Coolant Level	
Direction Indicators	
Coolant Temperature	
Engine Oil Pressure	
Headlamps, Main Beam	
Parking Brake 'On'	

Optional Equipment

Automatic Lubrication System	Tool Kit, Hand
Body, Heavy Duty	Hoodsides
Body Wear Plates	Tyres, 24.00R35** Radial
Fire Suppression System	On-board Weighing System
Exhaust Muffler, full time	Spillguard Extension, folding
Fan Clutch	Television Monitor, Rear View
Fast Fuel Adaptor	
Traction Bias Differential	

Service Capacities

SERVICE CAPACITIES	litres	(US gal)
Engine Crankcase and Filters	66	(17.5)
Transmission and Filters	85	(22.5)
Cooling System	170	(44.9)
Fuel Tank	606	(160.0)
Steering Hydraulic Tank	61	(16.0)
Steering Hydraulic System (Total)	72	(19.0)
Body Hydraulic Tank	216	(57.0)
Body Hydraulic and Brake Cooling System	258	(68.0)
Planetaries (Total)	43	(11.4)
Differential	52	(13.7)
Front Ride Strut (Each)	14	(3.7)
Rear Ride Strut (Each)	17	(4.5)
Power Take Off	4	(1.0)

Weights

	kg	lb
Chassis, with hoists	30 600	67 460
Body, standard	10 650	23 480
Net Weight	41 250	90 940
PAYLOAD, maximum	55 000	121 253
Maximum Gross Weight*	96 250	212 193
FOR UNIT EQUIPPED WITH OPTIONAL HD ROCK BODY		
Chassis, with hoists	30 600	67 460
Body, Heavy Duty, Rock	13 200	29 100
Net Weight	43 800	96 560
PAYLOAD, maximum	52 000	114 637
Maximum Gross Weight*	95 800	211 197
* Maximum permissible gross vehicle weight with options, attachments, full fuel tank and payload.		

WEIGHT DISTRIBUTION

	Front Axle	Rear Axle
Empty	48%	52%
Loaded	34%	66%



TR60

TEREX dump truck TR60

www.wme.cn/terex-tr60/

Off-Highway Rigid Truck



Long life, emission- certified engine with electronic management system

Dual mode retardation - oil cooled rear disc brakes or hydraulic retarder

Rugged construction for durability in tough conditions

High - visibility cab with de - luxe interior

Smooth shifting, electronically - controlled transmission

Maximum Payload - 55 tonne (60 US ton)

Maximum Gross Vehicle Weight - 95 680 kg (210 940 lb)

Heaped Capacity - 35m³ (46 yd³)

Gross Power - 522 kW (700 hp)

Specifications subject to change without notice.

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Frame

Full box section frame rails, integral front bumper, closed-loop crossmember and torque tubes of 290 MPa (42 000 lbf/in²) yield strength steel. Crossmember connections are 655 MPa(95 000 lbf/in²) steel castings.

Engine

Model Cummins QSK19- C700
 Type 4 Cycle, Turbocharged/Aftercooled
 Gross Power @ 2 000 rev/min 522 kW (700 hp)
 Net Power @ 2 000 rev/min 481 kW (645 hp)
 Gross Power rated to SAE J1995 Jun 90. Engine emission meets Tier 2 USA EPA /CARB MOH 40 CFR 89 and proposed EU non- road mobile machinery directive.
 Maximum Torque 2 981 Nm (2 200 lbf ft) @1 500 rev/min
 Cylinders/Configuration 6 in line
 Bore x Stroke 159 x 159 mm (6.25 x 6.25 in)
 Displacement 18.9 litres (1 150 in³)
 24 volt negative ground electrical system. Two 12 volt 165 Ah batteries with master disconnect switch. 9 kW starter. Neutral start. 70A alternator with integral voltage regulator.

Transmission

Allison M6610AR automatic electronic control with Soft Shift feature. Planetary gearing with six speeds forward and two reverse. Integral TC 682 torque converter with automatic lock- up in all speed ranges. Hydraulic Retarder. With body up, gear range is limited to 1st forward.

Speeds	Forward						Reverse	
	1st	2nd	3rd	4th	5th	6th	R1	R2
Ratio	4.00	2.68	2.01	1.35	1.00	0.67	5.15	3.46
km/h	9.9	14.6	19.5	29.1	39.3	57.5	6.6	11.8
mile/h	6.1	9.1	12.1	18.1	24.4	35.7	4.1	7.3

Drive Axle

TEREX heavy duty axle with full floating axle shafts, single reduction spiral bevel gear differential, and planetary reduction at each wheel.

Ratios: Differential	3.73: 1
Planetary	5.80: 1
Total Reduction	21.63: 1

Suspension

Front: TEREX manufactured king pin strut-type independent front wheel suspension by self-contained, variable rate, nitrogen/oil cylinders.

Rear: TEREX variable rate nitrogen/oil cylinders with A-frame linkage and lateral stabilizer bar.

Maximum Strut Stroke: Front	251 mm (9.9 in)
Rear	182 mm (7.2 in)
Maximum Rear Axle Oscillation	± 6.5 Degrees

Tyres

Front and Rear 24.00-35
 Rim Width 17 in
 Consult tyre manufacturers for optimum tyre selection and correct t- km/h (ton-mile/h) capacity for application.

Brakes

SERVICE-All hydraulic brake system control. Transmission mounted pressure compensating piston pump provides hydraulic pressure for brakes and steering. Independent circuits front and rear. Each circuit incorporates a nitrogen/hydraulic accumulator which stores energy to provide instant braking response.

Front Brakes: Dry Disc
 Disc diameter 710 mm (28 in)
 Pad area, total 1 394cm² (216 in²)

Rear Brakes: TEREX oil cooled, multiple disc, completely sealed from dirt and water.

Braking Surface, total 47 151 cm² (7 308 in²)

PARKING-Rear brakes applied by spring loaded opposing piston on disc pack, hydraulically released.

RETARDATION-Modulated lever control of rear disc brakes or hydraulic retarder in transmission. 670 kW (900 hp) continuous retardation.

SECONDARY-Park push button solenoid control applies service and parking brakes. Automatically applies when engine is switched off.

Parking brake applies when system pressure falls below a pre-determined level.

Brakes conform to ISO 3450, SAE J1473.

Steering

Independent hydrostatic steering with closed-centre steering valve, accumulator and pressure compensating piston pump.

Accumulator provides uniform steering regardless of engine speed. In the event of loss of engine power it provides steering of approximately two lock-to-lock turns. A low pressure warning light indicates should the system pressure fall below 83 bar (1 200 lbf/in²).

Steering conforms to ISO 5010, SAE J53.

Maximum Tyre Steering Angle 39 °

Hoist

Two body hoists mounted inside the frame rails. Hoists are two-stage with power down in the second stage. The body hydraulic system is independent of the steering hydraulic system.

System Relief Pressure 190 bar (2 750 lbf/in²)

Body Hydraulic Pump Flow Rate

@ 2 100 rev/min engine speed 227 litre/min (60 US gal/min)

Body Raise Time 16 Seconds

Body Lower Time 14 Seconds

Body

Longitudinal 'V' type floor with integral transverse box-section stiffeners. The body is exhaust heated and rests on resilient impact absorption pads. Full time exhaust is optional.

Body floor wear surfaces are high hardness abrasion resistant steel of yield strength.

Thickness: Floor 19 mm (0.75 in)
 Side 10 mm (0.39 in)
 Front, lower 10 mm (0.39 in)

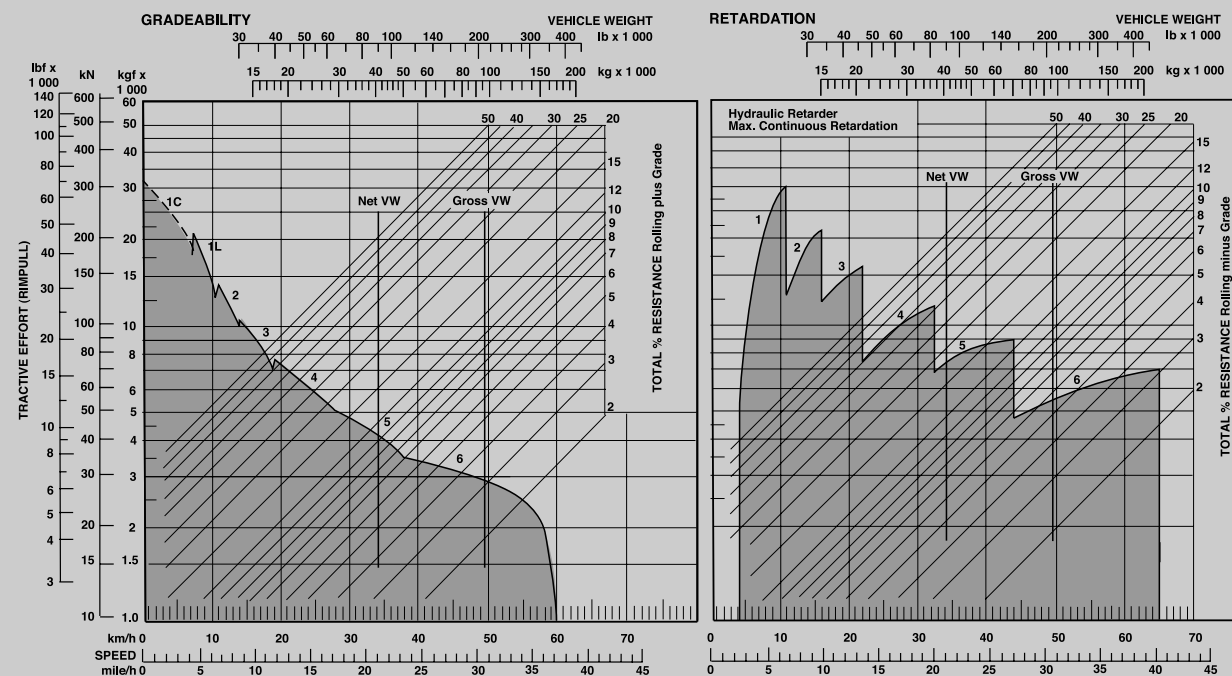
ROPS Cabguard SAE J1040 Feb 86. ISO 3471

Volumes: Struck (SAE) 26 m³ (34 yd³)
 Heaped 2: 1 (SAE) 35 m³ (46 yd³)

Performance Data

Graphs based on 0% Rolling Resistance

TR60



Instructions: From intersection of Vehicle Weight with Percentage Resistance line read across to determine maximum Gear attainable, and then downwards for Vehicle Speed.

